

**STATEMENT OF WORK (SOW) FOR FY-02**

**NUMBER: SOW-02-833-4-80000B-3/1**

**DRAGON SDR SCREENING PROGRAM**

**MWSLIN C0HS**

**GENERIC SCREENING TAMCN: E0001**

**GENERIC IDN: 80000B**

**GENERIC SDR SCREENING PGM NSN: 0001-20-000-0001**

**REPAIR FACILITY: METROLOGY, MAINTENANCE  
CENTER, BARSTOW, CA.**

**ATTACHED SOW COVERS 4<sup>TH</sup> ECHELON REPAIR OF  
SECONDARY DEPOT REPARABLES (SDR'S) THAT  
ARE PART OF THE DRAGON SCREENING PROGRAM  
FOR THE FOLLOWING DRAGON TAMCNS AND  
DRAGON SUPPORT EQUIPMENT:**

<b>E1153</b>	<b>E1908</b>
<b>E3175</b>	<b>E1915</b>
<b>E0004</b>	<b>E1916</b>
<b>E0145</b>	<b>E1917</b>
<b>E0167</b>	<b>E3235</b>

**POC: ROBERT L. WALTHALL, WSM, CODE 833-4**

**X6594/6744**

MATERIEL SUPPORT DIVISION  
Marine Corps Logistics Bases  
Albany, Georgia 31704-1128

4400  
Code 833-4(X6594)  
05 MAR 2001

MEMORANDUM

From: Head, Ordnance/Tank Branch

To: Head, Engineering Data Management Branch (Code 851)

Subj: FY-02 SCREENING PROGRAM REQUIREMENTS FOR DRAGON SDR'S

Encl: (1) DRAGON Screening Report Format  
(2) Performance Requirements (General)  
(3) Performance Requirements (MARCORLOGBASES, Albany)  
(4) Performance Requirements (Maintenance Center (MC), BARSTOW)  
(5) FY-02 Cost Estimation Data  
(6) Annual DRAGON Screening Programs Performance Report (Example)  
(7) Reports and Report Codes  
(8) Packaging Data

1. The Army is the Primary Inventory Control Activity for the DRAGON Weapon System. Depot level maintenance is provided by the Army via a Depot Maintenance Interservice Support Agreement (DMISA) for all Principal End Items (PEI's) except Table of Authorized Materiel Control Numbers (TAMCN's) E1912 and E3236. The Maintenance Center (MC) BARSTOW has the Depot on these. Secondary Depot Repairable Items (SDR's) are assigned Nonconsumable Item Materiel Support Code (NIMSC) "2", with the agreement that the Army retain depot level repair.

2. The DRAGON Screening Program was developed to improve readiness, provide faster turnaround of repaired assets and to reduce costs. The program has proven effective and provides much improved service to Maritime Prepositioning Ships (MPS), Fleet Marine Forces (FMF) and special projects customers.

3. As the program evolves, requirements must be refined and redefined to meet current needs. To this end, enclosures (1) through (4) are provided as the basic requirements under which the program will operate during the first two quarters of FY-02.

Subj: FY-02 SCREENING PROGRAM REQUIREMENTS FOR DRAGON SDR'S

4. The DRAGON screening program will be funded the first two quarters of FY-02 as separate lines (PEI'S/SDRS) on the Master Work Schedule (MWS) based on cost estimation data submitted by Maintenance Center (MC), BARSTOW. (See enclosure (5).)
5. Enclosure (6) is updated annually in the November/December time frame. The screening program has already expanded to include other Weapon Systems. Long-range goals include expansion to an even wider range of Weapon Systems.
6. Enclosure (7) is a listing of Reports and Report Codes.
7. Enclosure (8) provides packaging milstandards/data.
8. In accordance with the published Dragon Phase-out Plan, maintenance under the Screening Program SOW will cease the end of the second quarter of FY-02.
9. Point of contact is Bob Walthall, DSN 567-6594/6744, Commercial (229) 639-6594, facsimile (FAX) DSN 567-6031, Commercial (229) 639-6031.

  
M. E. BROWN

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	<b>COLUMN HEADINGS FOR EXPLANATION ONLY</b>															
2																
3	<b>Asset Database</b>															
4	AssetID	ItemID	NSN_1	Asset Descrip	SerialNumber	NSN_2	PEI/SDR	CCIn	CCOut	DateAcquired	DateFinished	ReceiptDate	FedLogSUP	N/A	N/A	N/A
5	Sys #	Text	Text	Text	Text	Text	Text	Text	Text	Short Date	Short Date	Short Date	Currency			
6	N/A	3	16	255	50	16	3	1	1	(mm/dd/yy)	(mm/dd/yy)	(mm/dd/yy)	\$0.00			
7																
8	<b>DRAGON/DRAGON SCREENING PROGRAM ANNUAL AND MONTHLY REPORT FORMAT</b>															
9	LineNo	ID	NSN	Nomenclature	SerNo	NSN Out	PEI/SDR	CCIn	CCOut	Date In	Date Out	RecptDate	SUP	Lbr Cost	Mat Cost	Total Cost
10																
11	Notes:															
12	1. The following software applications may or may not be used as desired; however, reports are required to be submitted as an electronic attachment to an email message. The report is submitted as an															
13	EXCEL 97 spreadsheet file attachment to an email message.															
14	2. The report data is extracted from a database which is resident at the Maintenance Center, BarsDRAGON (B884). EXCEL 97 is used to export the data from the resident ACCESS 97 database.															
15	3. A field is the equivalent of a column. A record is the equivalent of a row or line.															
16	4. Column A: ACCESS 97 creates a sequential system number (SYS #) when a new record is added to the database. EXCEL 97 generates a sequential row number (LineNo) for the screening program reports.															
17	5. Column B: ItemID is the database field name for Identifier. ID is used in the screening program report to group assets.															
18	The Identifier is a two letter code used to classify material as follows:															
19	The letter (P) in the first position identifies the material as a special project item.															
20	The letter (S) in the first position identifies the material as a screening program asset.															
21	The letter (X) in the first position identifies the material as a Recurring Demand Item (RDI).															
22	The letter (H) in the first position identifies the material as a HOT Requirement (Pri 02 or above) called in off-line.															
23	The letter (O) in the second position identifies the item as other material.															
24	The letter (D) in the second position identifies the material as a DRAGON asset.															
25	6. Column C: NSN_1 is the database field name used to record and report the national stock number of the receipt asset. This is the primary sort field for the screening program report.															
26	7. Column D: Asset Description is the database field used to record the asset description. Nomenclature is the screening program report column heading used to report the asset description.															
27	8. Column E: SerialNumber is the database field name used to record the receipt asset serial number. SerNo is the screening program column heading used to report the receipt asset serial number.															
28	9. Column F: NSN_2 is the database field name used to record the outgoing national stock number. NSN Out is the screening program column heading used to report the outgoing national stock number.															
29	10. Column G: PEI/SDR is the database field name used to record and report the asset as either a Principal End Item or a Secondary Depot Repairable asset.															
30	11. Column H: CCIn is the database field name used to record and report the Condition Code of the receipt asset.															
31	12. Column I: CCOut is the database field name used to record and report the Condition Code of the outgoing assets.															
32	13. Column J: DateAcquired is the database field name used to record the date the Maintenance Center receipts for the incoming asset. Date In is the screening program report column used to report the day the															
33	Maintenance Center receipts for the incoming asset.															
34	15. Column K: DateFinished is the database field name used to record the date the Maintenance Center completed the asset screening process. Date Fin is the screening program report column heading															
35	used to report the day the Maintenance Center completes processing an outgoing asset.															
36	16. Column L: Receipt Date is the database field name used to record the day the customer receipts for the asset.															
37	17. Column M: FedLogSUP is the database field name used to record the standard unit price (SUP) as shown in the FedLog file on the day the Maintenance Center received the asset.															
38	SUP is the screening program report heading showing the Standard Unit Price on the day the Maintenance Center received the asset.															
39	18. Column N: Lbr Cost is the screening program report heading used to show the labor charges applied to the asset going back to the customer. It is a calculated report field.															
40	19. Column O: Mat Cost is the screening program report heading used to show the cost of materials applied to the asset going back to the customer. It is a calculated report field.															
41	20. Column P: Total Cost is the screening program report heading used to show the total cost applied to the asset going back to customer. It is a calculated report field.															

## **DRAGON SCREENING PROGRAM PERFORMANCE REQUIREMENTS**

### **GENERAL:**

1. The Program Pricing Policy for repair costs will be; (a) labor hours will be calculated and recorded against each item processed based on current labor hour rates; and (b) materiel costs will be stratified over the dollar value (Standard Unit Price) of each item processed to include "lot-quantity" materials. This pricing policy must allow determination of funds balances based on monthly DRAGON Screening Program Reports and must equal the total funded for a fiscal year upon completion of the last in-process item for that fiscal year.

2. General Priority policy

### **NOTE**

**Requirements for the Screening Program priorities are determined by using the weekly Backorder List or as directed on an exception basis. The Backorder List is a listing of Marine Corps wide customer requirements. It is provided by Albany as a tool for scheduling assets into the screening process. Highest priorities are worked first in the following sequence:**

- a. First priority, Maritime Prepositioning Ships (MPS) requirements;
- b. Second priority, Fleet Marine Forces (FMF) requirements (active, Reserves), and Schools;
- c. Third priority, Enhanced Equipment Allowance Pool (EEAP) requirements;
- d. Fourth priority, Posts, Camps and Stations.
- e. Special projects and/or hot requirements may be inserted into or in between any of the above as determined by the situation. The Inventory Manager (IM) will notify Maintenance Center, (MC) BARSTOW in writing (E-mail/facsimile (FAX)) with a copy to the Weapon System Manager (WSM). The IM will follow up by phone to ensure documentation has been received.

**ENCLOSURE (2)**

3. Repair of non-depot reparable (consumable items) will only be conducted when the item is a component of an inducted nonconsumable item or when expressly authorized by the WSM.
4. The use of Screening Program funds for any special project/purpose is prohibited without written authority of the WSM or higher authority.
5. This "program performance requirements" document is considered a formal "Statement of Work" (SOW) wherein general guidelines for work performance are set forth and concurred with prior to publication/implementation. Since this program is continuously evolving, this document will be reviewed and adjusted to current requirements on an annual basis upon completion of the annual performance report.

## **DRAGON SCREENING PROGRAM PERFORMANCE REQUIREMENTS**

### **Marine Corps Logistics Bases (MCLB) ALBANY:**

1. Fund the program for the first two quarters of FY-02 via separate lines PEI's/SDR's on the Master Work Schedule (MWS), in accordance with cost estimation data submitted by Maintenance Center (MC), BARSTOW.
2. Separately fund special projects when appropriate, using the Screening Program Master Work Schedule Line Numbers (MWSLINS).
3. Identify workload requirements to the BARSTOW Screening Program Coordinator Semi-monthly. The back order list will be transmitted/used as a norm. Alternate methods may include FAX, E-Mail or message confirmed by telephone.
  - a. Requirements will be submitted to include National Stock Number (NSN), quantity and priority as a minimum.
  - b. Emergency/priority requirements will be submitted by E-mail/FAX and confirmed by telephone.
4. Call for items to be inducted into the screening process only when Condition Code "K" assets are available in stock or under special circumstances on a case-by-case basis, such as when assigned condition code is suspect.
5. Monitor input, output. Direct retention or return to stock of all items that exceed 90 days in the maintenance cycle.
6. Inducted only SDR's Source Maintenance Recoverability (SMR) coded as reparable (nonconsumables) unless specifically approved by the WSM.
7. Conduct and coordinate special projects as required.
8. Maintain inventory accountability through records maintenance and input-output monitoring.
9. Review and take corrective action as necessary on the Monthly DRAGON Screening Program Report.
10. Compile and submit the "Annual DRAGON Screening Program Performance Report" (Enclosure 6), to the Commanding General.
11. Establish Annual Repair Cost Pricing Policy in conjunction with the BARSTOW Program Coordinator.

**ENCLOSURE (3)**

12. Annually review and establish general program priority policy.
13. Notify Maintenance Center (MC), BARSTOW Screening Program Coordinator of any E-Mail address changes required for submission of the DRAGON Screening Program Reports.
14. Prepare and maintain schedules to fill MPS, FMF, EEAP, and special projects. Provide these schedules to MC, BARSTOW in a timely manner. Prepare written documentation to push assets into the screening process for these requirements. Coordinate return of these assets, when repaired, into protected stock to prevent inappropriate issue.
15. Initiate review of the "program performance requirements" and Statement of Work (SOW) Document upon completion of the annual performance report.
16. Provide MC BARSTOW with level A packaging, handling, and storage requirements in accordance with Enclosure (8).



## **DRAGON SCREENING PROGRAM PERFORMANCE REQUIREMENTS**

### **MAINTENANCE CENTER (MC), BARSTOW:**

1. Process items through the program in accordance with current priority policy or as otherwise directed by the Inventory Manager, Weapon System Manager or higher MCLB Albany authority.
2. Establish and maintain procedures for computing, recording and reporting repair costs in accordance with current pricing policy. The Monthly and Annual DRAGON Screening Program Reports will be used to record and report the complete repair costs (labor plus materiel).
3. Perform functional tests on assets received to determine condition.
4. Assign appropriate condition code to processed assets.
5. Record standard unit price (SUP) as reflected in FedLog at induction into screening. This SUP is to accompany the item throughout the screening process and reporting.
6. Report condition and date returned to stock for each item completed. (Use the Monthly and Annual DRAGON Screening Program Reports).
7. Perform maintenance as required through fourth echelon to include fault isolation, repair, repair parts replacement, adjustments and performance testing.
8. Return assets to stock in their appropriate condition within five working days of completion of work.
9. Perform all Depot level Marine Corps Modifications on assets received (unless otherwise directed by the Weapon System Manager or higher MCLB Albany authority).
10. Fabricate special test fixtures necessary for screening/verification testing of optical/electrical components.
11. Record each item received in the DRAGON Screening Program Report database upon receipt (within two days) and prior to op-check, condition evaluation, coding or repair.

**ENCLOSURE (4)**

12. Record SDR's on the DRAGON Screening Program Report database under the NSN received into the screening process regardless of whether work requires breakdown to components. **Components of inducted End Items and SDR's will not be recorded on the report database.**

13. SDR's are moved into the DRAGON screening process via an A5E transaction submitted off-line by the Inventory Manager to the contractor, EG&G, at BARSTOW. A Defense Document (DD) Form 1348-1 is generated and a D7M is processed by EG&G taking the asset(s) off the DSS inventory. When screening and/or repair is completed the asset is returned to EG&G to be processed back into the on hand DSS inventory/stock in the assigned condition code, utilizing the same document number received on the 1348-1 that inducted the gear into the screening process. A D6M is inducted by EG&G to accomplish the receipt of the screened and condition coded asset(s). The MC, BARSTOW will maintain an internal tracking system to account for the SDRS to ensure accountability.

14. Submit Monthly DRAGON Screening Program Reports by the tenth of each month and include all data from the previous month through the last day of that month to include all completed and in-process items in NSN sequence (line-by-line) for the reporting month. In-process items will be identified by blank "Date-out" and "CC out" columns. Submit an Annual Summary Report in the monthly report format. **The annual report will include only completed items in NSN sequence (line-by-line). Open items will be reported as open only on the next regular monthly report, i.e., Oct.** Labor, materiel and total repair cost columns will be filled in for completed items on both the monthly and annual reports. Submit the Annual Summary Report to the Weapon System Manager on or before 15 November.

15. The Monthly DRAGON Screening Program Report will include the following:

- a. Items completed
- b. Items In-process
- c. a and b above will be in receipt NSN sequence
- d. Each line item will be identified with an "ID Text" code to allow automated sorting and to provide easy visibility for management control of special projects requirements and recurring demand items as opposed to regular screening items in accordance with enclosures (1) and (8).

16. Submit Monthly DRAGON Screening Program Reports via Electronic Mail to address: "Vickie Barfield-Yarber", Bob Walthall and Joan Folsom Code 833-4.

(NOTE: MARCORSYSCOM, Albany, Code 833-4 will advise of any address changes).

17. Provide cost estimates for special projects upon request by the Weapon System Manager.

18. Perform special projects work upon request from the Weapon System Manager.

19. Maintain complete fund accounting in accordance with current regulations and the procedures provided in this Statement of Work (SOW).

20. Maintain complete inventory accounting of in-process assets from receipt through turn-in acceptance. All historical files related to the DRAGON Screening Program will be maintained accessible to review/audit for seven years.

21. In the event an item is found to be condition code "G", after screening is complete, the shop planner will annotate the shortages, by NSN and nomenclature, in block 27 of the DD form 1348 and provide a copy of the 1348 via FAX to MARCORLOGBASES, Albany Code 833-4, (FAX DSN 567-6031, COMM (229) 639-6031) Attn: Joan Folsom, at the time the asset is moved back to stock in CC "G".

22. Coordinate MPS, FMF, and EEAP requirements with the Inventory Manager to ensure assets are in process in ample time to meet repair cycle time requirements and to avoid duplications. MPS, FMF and EEAP Required Delivery Dates (RDD's) will be met.

23. In-process time will not exceed 45 days as a norm. Inventory Manager will monitor/direct retention/return to stock any assets in the screening process in excess of 90 days. Action taken will be contingent upon circumstances.

24. Update the DRAGON Screening Program Report database within two working days after each item is completed.

25. Close out both PEI and SDR Master Work Schedule Line item numbers that provide program funding, prior to submission of the annual report (15 November). Non-closure will not be cause for delay of the annual report.

26. Provide 100 percent initial operability warranty to every item repaired. Initial operability failures will be repaired at no cost to the customer or Screening Program funding.
27. Compliance with Department of Defense (DoD) 5100.76-M, "Physical Security of Sensitive Conventional Arms, Ammunition, and Explosives" and Marine Corps Order (MCO) 4340.1A with Change 1, "Reporting of Missing, Lost, Stolen, or Recovered (MLSR) Government Property" is mandatory.
28. Compliance with "Packaging, Handling, Storage and Transportation (PHS&T).
- a. MC, BARSTOW shall be responsible for preservation and packaging of the items on Enclosure (8) to be repaired under the terms of this statement of work. Items scheduled for long-term storage shall be in accordance with the level A requirements of the documents as described on Enclosure (8). Items scheduled for short-term storage shall be to level B requirements. (NOTE-The requirement for level A pack shall be specified by the Weapon System Manager). Special Packaging Instructions (SPI) may be obtained from Materiel Management Division, Attn: Logistics Support Section (822-1), Suite 20320, 814 Radford Boulevard, Albany, Georgia 31704-0320, telephone-Commercial (229) 639-6786 or DSN 567-6786. Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Document Automation and Printing Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, telephone-Commercial (215) 697-2179 or DSN 442-2179 or <http://dodssp.daps.mil>.
29. Repair costs for SDR's will not exceed 35% of Standard Unit Price (SUP) (Fed Log) without prior approval of the WSM.

**COST ESTIMATION DATA FOR SDR'S**

<u>ANNUAL BREAKOUT FOR FY 02</u>	<u>YEAR (2 quarters)</u>	<u>QUARTER</u>
a. DRAGON (SDR)	\$338,648	\$169,324
<b>TOTAL SDR'S</b>	<b>\$338,648</b>	<b>\$169,324</b>
b. Special Projects (Planned)	<u>000,000</u>	<u>000,000</u>

OUT - YEARS PROJECTIONS FOR SDR'S:

N/A. There will be no out-years projections for Dragon SDR's. In accordance with the published Phase-Out Plan for Dragon, maintenance on Dragon will cease the end of second quarter FY-02.

**ENCLOSURE (5)**

**ANNUAL TOW/Dragon SCREENING PROGRAM  
PERFORMANCE REPORT (EXAMPLE)**

PERIOD COVERED	OCT 97 -- SEP 98	OCT 98-- SEP 99
LINES PROCESSED	1210	1042
LINES IN PROCESS	0	0
INVESTMENT	\$2,460,777.00	\$3,683,504.00
REPAIR COST SAVINGS	\$4,669,095.11	\$10,115,998.85
ACQUISITION COST SAVINGS	\$984,337.16	\$2,460,229.26
TRANSPORTATION COST SAVINGS	\$69,104.00	\$90,961.40
TOTAL SAVINGS WHOLESALE	\$5,722,536.27	\$12,667,189.51
TOTAL SAVINGS RETAIL	\$1,316,183.34	\$3,926,828.75
RETURN ON INVESTMENT ROI %	233%	343%
RETURNED TO A CONDITION STOCK PERCENTAGE	88%	88%
RETURNED TO F CONDITION STOCK PERCENTAGE	12%	12%
MPS FILL RATE	100%	100%
PROGRAM COST SAVINGS FROM INITIATION WHOLESALE	\$55,681,547.37	\$68,348,736.88
PROGRAM COST SAVINGS FROM INITIATION RETAIL	\$11,379,690.17	\$15,306,518.92

Note: FY-01 PRICE FOR TOW/Dragon SDR'S IS 20% OF SUP.

ENCLOSURE (6)

## REPORTS

### MARCORLOGBASES ALBANY (CODE 833-4)

REF

BY DATE

ANNUAL SCREENING PROGRAM  
PERFORMANCE REPORT

ENCL (6)

30 JAN

### MAINTENANCE CENTER, BARSTOW

ANNUAL PROGRAM COST  
ESTIMATES

ENCL (5)

1 JAN

ANNUAL SCREENING PROGRAM  
REPORT

ENCL (1)

15 NOV

MONTHLY SCREENING PROGRAM  
REPORT

ENCL (1)

10TH OF MONTH

CONDITION CODE "G" RETURNS

AS OCCURS IAW  
INSTRUCTIONS PROVIDED  
PREVIOUSLY IN THIS SOW

## REPORT CODES

Codes relate to Column A of the annual and monthly reports "ID Text": consists of two digits "alpha-alpha" and is used to classify materiel. Also reflected in Enclosure (1).

First Digit

S=Screening

H=Hot Requirement (Pri 02 or above submitted  
off-line)

Second Digit

D=DRAGON

**ENCLOSURE (7)**

## APPENDIX A

(This list contains the Secondary Repairables for the Dragon Weapon System. This list does is not all inclusive.

<u>NSN</u>	<u>NOMENCLATURE</u>	<u>SOS</u>	<u>PACKAGE IN ACCORDANCE WITH</u>
1 1430-00-000-0139	NUTATOR, TRACKER	B64	SPI: AL00000139
2 1430-01-019-1815	FIRING MECHANISM	B64	MILSTD-2073-1D, METHOD 41
3 1430-01-040-3750	CONTROL, SIGNAL COMPARATOR	B64	MILSTD-2073-1D, App J, Tbl J.la., SPC "GX"
4 1440-01-109-9381	CIRCUIT CARD ASSEMBLY	B64	MILSTD-2073-1D, App J, Tbl J.la., SPC "GX"
5 4935-00-196-0453	ELECTRONIC COMPONENT ASSY	B64	MILSTD-2073-1D, App J, Tbl J.la., SPC "GX"
6 4935-00-595-5219	CIRCUIT CARD ASSEMBLY	B64	MILSTD-2073-1D, App J, Tbl J.la., SPC "GX"
7 4935-00-990-9055	POWER SUPPLY	B64	MILSTD-2073-1D, METHOD 52
8 5855-01-047-2136	PACK CART. COOLANT ASSY	B64	MILSTD-2073-1D, METHOD 30
9 5855-01-047-3231	BASIC SIGHT ASSEMBLY	B64	MILSTD-2073-1D, METHOD 41
10 5999-00-531-0289	ELECTRONIC COMPONENT ASSY	B64	MILSTD-2073-1D, App J, Tbl J.la., SPC "GX"
11 5999-00-531-0306	ELECTRONIC COMPONENT ASSY	B64	PDS: 10277935
12 5999-01-072-1093	ELECTRONIC COMPONENT ASSY	B64	PDS: 10276968
13 5999-01-104-9825	ELECTRONIC COMPONENT ASSY	B64	MILSTD-2073-1D, App J, Tbl J.la., SPC "GX"
14 5999-01-240-1249	CIRCUIT CARD ASSEMBLY	B16	MILSTD-2073-1D, App J, Tbl J.la., SPC "GX"

ENCLOSURE (8)